



## Skill Standards Checklist

### Welding

#### CERTIFICATION AREAS COMPLETED:

☐ **Welding Basics** (required)\*\*

☐ **Core Abilities** (required)\*\*

#### Welding Principles and Practices:

(must complete a minimum of 2 processes)

☐ Stick

☐ MIG

☐ TIG

☐ Flux Core

#### Cutting Principles and Practices:

(must complete a minimum of 2 processes)

☐ Manual Oxyfuel

☐ Machine Oxyfuel

☐ Air Carbon

☐ Plasma

☐ Laser (counts as 2 processes)

☐ A minimum of 900 work hours

Student Name \_\_\_\_\_

School District \_\_\_\_\_

YA Consortium \_\_\_\_\_

YA Coordinator \_\_\_\_\_

**High School Diploma/GED/HSED**

**Date Received** \_\_\_\_\_

**Level One Requirements:** All \*\* items, plus a minimum of one Welding process and one Cutting process.  
A minimum of 450 work hours

#### Work Based Learning:

**Total Hours  
Employed**

**Company Name**

**Phone #**

\_\_\_\_\_

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*Please sign this page if you have initialed competencies as a mentor, trainer or instructor of this student.*

**CERTIFICATION:** I certify that this student has successfully completed the competencies required in the areas I have initialed.

\_\_\_\_\_ **Mentor/Trainer Signature** \_\_\_\_\_ Printed Name

\_\_\_\_\_ Department \_\_\_\_\_ Date Signed

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\_\_\_\_\_ **Mentor/Trainer Signature** \_\_\_\_\_ Printed Name

\_\_\_\_\_ Department \_\_\_\_\_ Date Signed

\_\_\_\_\_ **Instructor Signature** \_\_\_\_\_ **Instructor Signature**

\_\_\_\_\_ Printed Name \_\_\_\_\_ Printed Name

\_\_\_\_\_ Date Signed \_\_\_\_\_ Date Signed

\_\_\_\_\_ **Instructor Signature** \_\_\_\_\_ **Instructor Signature**

\_\_\_\_\_ Printed Name \_\_\_\_\_ Printed Name

\_\_\_\_\_ Date Signed \_\_\_\_\_ Date Signed

<b>Core Abilities</b>	<b>Required</b>
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Core abilities address broad knowledge, skills, and attitudes that go beyond the context of a specific course. Core abilities are not taught in specific lessons. These are the employability skills that are critical for success in the Welding industry.

**RATING:**

**3 = Exceeds entry level/Consistently displays this behavior**

**2 = Meets entry level/Often displays this behavior**

**1 = Needs improvement/Rarely displays this behavior**

	<u>Score</u>		
1. Prepare time or job cards (reports or records).	3	2	1
2. Perform housekeeping duties.	3	2	1
3. Works productively	3	2	1
4. Works cooperatively with others	3	2	1
5. Works as a team member	3	2	1
6. Acts responsibly	3	2	1
7. Follow verbal instructions.	3	2	1
8. Communicates clearly with supervisor and others	3	2	1
9. Follow safe practices	3	2	1
10. Recognize safe and unsafe work habits	3	2	1
11. Demonstrates proper safety procedures.	3	2	1

<b>A TWO (2) IS REQUIRED ON ALL COMPETENCIES TO PASS THIS SECTION</b>
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COMMENTS: \_\_\_\_\_

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## Welding Basics

**Required**

### RATING:

**3 = Moderately Skilled** - has performed job independently during the training program, limited additional training may be required. (entry level skill competent)

**2 = Limited Practice** - has practiced job during training program, additional training is required to develop skill. (entry level)

**1 = Exposure Only** - general information provided with no practice time, close supervision needed and additional training required.

### Score

#### Drawing and Welding Symbol Interpretation

- |   |   |   |   |
|---|---|---|---|
| 1. Interpret basic elements of a drawing or sketch. | 3 | 2 | 1 |
| 2. Interpret welding symbol information.            | 3 | 2 | 1 |
| 3. Fabricate parts from a drawing or sketch.        | 3 | 2 | 1 |

#### Visual Examination Principals and Practices

- |   |   |   |   |
|---|---|---|---|
| 4. Examine cut surfaces and edges of prepared base metal parts. | 3 | 2 | 1 |
| 5. Examine tack, intermediate layers, and completed welds.      | 3 | 2 | 1 |

ALL COMPETENCIES MUST BE MET AT A THREE (3) TO PASS THIS SECTION

COMMENTS: \_\_\_\_\_

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## Welding Principles and Practices:

Fill in Process \_\_\_\_\_

(must complete a minimum of 2 processes)

### RATING:

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	<u>Score</u>		
1. Perform safety inspections of equipment and accessories	3	2	1
2. Perform operation maintenance to equipment and accessories.	3	2	1
3. Set up for welding operations on plain carbon steel.	3	2	1
4. Operate welding equipment.	3	2	1
5. Make fillet welds on plain carbon steel.	3	2	1
6. Make groove welds on plain carbon steel.	3	2	1

ALL COMPETENCIES MUST BE MET AT A THREE (3) TO PASS THIS SECTION

COMMENTS: \_\_\_\_\_

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## Welding Principles and Practices:

Fill in Process \_\_\_\_\_

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COMMENTS: \_\_\_\_\_

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## Cutting Principles and Practices:

Fill in Process \_\_\_\_\_

(must complete a minimum of 2 processes)

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	<u>Score</u>		
1. Perform safety inspections of equipment and accessories.	3	2	1
2. Perform operation maintenance to equipment and accessories.	3	2	1
3. Set up for manual or automatic cutting operations.	3	2	1
4. Operate manual or automatic cutting equipment.	3	2	1
5. Perform straight, shape and/or beveled cutting operations. (circle all that apply)	3	2	1
6. Remove weld metal slag.	3	2	1

ALL COMPETENCIES MUST BE MET AT A THREE (3) TO PASS THIS SECTION

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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## Cutting Principles and Practices:

Fill in Process \_\_\_\_\_

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COMMENTS: \_\_\_\_\_

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### Special Projects or Certifications

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**Instructor/Mentor Comments:**

[illegible]

Instructor/Mentor Signature\_\_\_\_\_

Date Signed \_\_\_\_\_

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**Instructor/Mentor Comments:**

[illegible]

Instructor/Mentor Signature\_\_\_\_\_

Date Signed \_\_\_\_\_

## Notes

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